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| 10/673,059      | 09/26/2003  | Stefan Baggstrom     | 944-1.117           | 1237             |

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| EXAMINER |
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PEREZ, JULIO R

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| ART UNIT | PAPER NUMBER |
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2617

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/673,059

Applicant(s)

BAGGSTROM ET AL.

Examiner

JULIO R. PEREZ

Art Unit

2617

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period **will** apply and **will** expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply **will**, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 27 October 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-10 and 12-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8-10,12-15, 19, 20- 23 is/are allowed.
- 6) ☒ Claim(s) 1-3,6,7,16 and 18 is/are rejected.
- 7) ☒ Claim(s) 5, 17 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1- 3, 6-7, 16, 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Alperrovich (WO99/30479) in view of Chitrapu (US 20040092265) and Dowling (US20060195551A1).

Regarding claim 1, Alperrovich discloses a device obtaining information about one currently active cellular network system to which the device has one active connection for respective connected applications hosted by the device (page 3, lines 19-22, teach identification of cellular networks within the area coverage of the mobile for determining the available systems as information is exchanged with each cellular system); and deciding whether to allow establishing a new connection to one of the currently active cellular network systems on behalf of another application hosted by the device (page 4, lines 23-32-page 5, lines 1-4, 16-27, and claim 1, lines 10-14, further teach a new connection being performed based on a cellular system having a lower rate, which reads on connecting to another cellular system with an application, i.e., deciding on use of favorite factors, within the device), but is silent on based on factors including the information about currently active network systems.

Chitrapu teaches information about combinations of different connections allowed by each currently active network system (Fig. 2, #'s 14a, 22, 24, Fig. 4, #'s s2, s4; par. 15, lines 1-12; pars. 16-17).

It would have been obvious to one skilled in the art at the time of the invention to modify Alperrovich, such that the device would generate indication of changing to a different system based on information that is appropriate for continuing the connection for more efficient and accurate communication.

Alperrovich in view of Chitrapu does not explicitly show wherein the information includes at least the number and type of connections currently in use.

Dowling teaches one or more servers coupled to the packet transport interface for routing functions for packet rerouting within the proximity of the mobile device (pars. 27, 28, 33, 34, 37-41).

It would have been obvious to one skilled in the art at the time of the invention to modify Alperrovich and Chitrapu, such that includes at least the number and type of connections currently in use, to provide means to detect amount of traffic or load within the system and provide a load balancing scheme.

Regarding claim 2, the combination discloses, wherein the information about currently active cellular network systems includes information about combinations of different kinds of connections allowed by each currently active cellular network system (Chitrapu, col. 1, lines 40-49; col. 2, lines 36-51; col. 3, lines 5-10; col. 4, lines 25-35, 50-67; col. 6, lines 58-67-col. 7, lines 1-2).

Regarding claim 3, the combination discloses, wherein the factors also include information about connections currently in use or wherein the information about currently active cellular network systems includes information about connections currently in use (Chitrapu, pars. 16-17, par. 22, lines 5-13).

Regarding claim 6, the combination discloses the factors also include the maximum amount of concurrent packet switched data allowed by the connections currently in use (Chitrapu, pars. 16-17, par. 22).

Regarding claim 7, the combination discloses the active cellular network systems include at least a GSM network, a WCDMA network, or a CDMA2000 network (Chitrapu, Fig. 3, includes GSM cellular system, # 26).

Regarding claim 16, the combination discloses embodying computer program code thereon for execution by a computer processor in a telecommunication terminal, with said computer program code characterized in that it includes programming instructions (Chitrapu, Fig. 4, #'s 2, 4, 6, 7; par. 23, lines 15).

Regarding claim 18, the combination discloses embodying computer program code thereon for execution by a computer processor in a telecommunication terminal, with said computer program code characterized in that it includes instructions for performing the steps (Chitrapu, par. 23, and lines 1-15).

***Allowable Subject Matter***

3. Claims 5, 17, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The following is a statement of reasons for the

indication of allowable subject matter: None of the prior art, either singularly or in combination, teach or fairly suggest wherein the application making a request of the device to establish the network connection and including in the request an identifier for the application, wherein the information about connections currently in use includes identifiers for applications using the connections currently in use, and further wherein the factors also include the identifier for the application and the identifiers for applications using the connections currently in use.

4. Claims 8-10, 12-15, 19, 20-23, are allowed. The following is a statement of reasons for the indication of allowable subject matter: a network resource control module, responsive to the request to allow establishing the connection and responsive to information about one or more currently active cellular network systems to each of which the mobile terminal, which has one or more active connections for respective connected applications hosted by the device for determining whether to allow establishing the connection based on factors including the information about the one or more currently active cellular network systems and wherein the information about connections currently in use includes at least the number and type of connections currently in use.

#### ***Response to Arguments***

5. Applicant's arguments with respect to claims 1-3, 5-10, 12-23 have been considered but are moot in view of the new ground(s) of rejection.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JULIO R. PEREZ whose telephone number is (571)272-7846. The examiner can normally be reached on 10:30 - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Julio R Perez  
Examiner  
Art Unit 2617

5/18/09

/NICK CORSARO/  
Supervisory Patent Examiner, Art Unit 2617